



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### ILLINOIS, Northwest

ILZ002-009-015>016-024>025-034      **Stephenson - Whiteside - Rock Island - Henry - Mercer - Henderson - Hancock**

<b>01</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>30</b>	<b>0915CST</b>			

River flooding that began in May 2004 continued into June 2004. Following is an edited write up from the Service Hydrologist:

Major to near record flooding was reporting during the month, with many locations setting daily maximum flow records at least one time during the month.

The month began with rather light precipitation. Even though the precipitation was light, some stream levels were still high due to the high rainfall amounts in May. June began with many locations at or near crest, or experiencing falling stream levels from crests in May. The middle of the month brought additional moderate rainfall, with amounts generally of 1 to 2 inches. This rainfall led to additional rises on some rivers. For those rivers that were still above flood stage, the additional rain either slowed the fall or resulted in secondary crests.

Stream flows began the month with all locations experiencing either much above normal conditions or daily record maximum flows. The high stream flows were due to a combination of heavy rain and high stream flows in May across Northeast Iowa and Northwest Illinois. Stream flows gradually fell through the 10th, when most locations were reporting above normal conditions. Some locations reported either near normal or much above normal conditions.

Stream flows then rose again on the 11th in response to locally heavy rains. On the 11th, most locations stream flows that were either above or much above normal. A few locations reported conditions that were near normal

Stream flows then gradually fell during the remainder of the month, except for the 14th, 17th, and 21st. On those dates, locally heavy rainfall resulted in additional but short-lived rises in stream flows. On those dates, stream flows were mostly above or much above normal. A few locations reported conditions near normal. In each of these three situations, however, stream flows began reverting back to their gradual fall by the next day.

The month ended with stream flows that were either near or above normal. About half the locations reported stream flows that were near normal, while the other half of the locations reported stream flows that were above normal

<b>Henry County</b>									
<b>3 SE Kewanee</b>	<b>10</b>	<b>1607CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
		<b>1609CST</b>							
									Also reported by spotters
<b>Mercer County</b>									
<b>2.7 N Matherville</b>	<b>10</b>	<b>1617CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
		<b>1619CST</b>							
<b>Bureau County</b>									
<b>2.2 ENE Buda</b>	<b>10</b>	<b>1704CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
		<b>1706CST</b>							
									Was practically right over the house.
<b>Bureau County</b>									
<b>1 NNE Wyandot</b>	<b>10</b>	<b>1720CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
		<b>1722CST</b>							
									Also reported by public



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					Killed	Injured	Property	Crops	

### ILLINOIS, Northwest

Scattered thunderstorms developed south of a stationary front across the northern parts of Iowa and Illinois in a strong low level jet. Due to favorable wind shear and smaller mesoscale boundaries, numerous funnel clouds developed in Illinois with two tornadoes touching down near Neponset, Illinois.

#### **Bureau County**

3.4 SW Neponset to 3.1 SW Neponset	10	1628CST 1629CST	0.3	125	0	0	12K	4K	Tornado (F1)
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Winds estimated around 100 mph.

#### **Bureau County**

2.7 SW Neponset to 2.4 SW Neponset	10	1630CST 1631CST	0.3	125	0	0	12K	4K	Tornado (F1)
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Winds estimated around 100 mph.

A small supercell produced two tornadoes in quick succession during the afternoon of 10 June 2004. The first (1628-1629 CST) touched down near the intersection of Kentville Rd and 150 East. The Snyder farm lost several outbuildings with damage done to the roof of the farm house and a window blown out with 3 semi trailers tossed onto their sides. Across the road at the VanWinkle farm, a window was blown out and the roof was lifted and set back down with more outbuildings destroyed. The tornado dissipated near the intersection of Kentville Rd and 200 East.

The second tornado (1630-1631 CST) developed just north of the first and affected an area just west and east of 200 East Street. The Stabler farm had several windows blown out.

#### **Rock Island County**

Moline	14	0555CST			0	0	1K		Lightning
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Lightning struck and downed a 50 foot walnut tree which blocked 52nd street between 8th and 9th Avenues

Scattered thunderstorms developed ahead of a cold front in a strong low level jet. In Southeast Iowa the storms organized into a small line and produced damage around the Fairfield, Iowa area. However after this initial incident, all winds across the remainder of Southeast Iowa were well below severe limits. The storms also were prolific lightning producers and one strike downed a tree in Moline, Illinois.

#### **ILZ001-007**

##### **Jo Daviess - Carroll**

16	1224CST	0	0	Flood
24	0500CST			

See write up under 06/01/04.

#### **Jo Daviess County**

Stockton	16	1414CST 1614CST			0	0		Heavy Rain
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In the past 2 hours.

#### **Jo Daviess County**

Countywide	16	1430CST			0	0		Heavy Rain
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Water ponding on many roads in the eastern half of the county

#### **Jo Daviess County**

1.2 W Stockton to 3 W Stockton	16	1430CST 2000CST			0	0	10K	4K	Flash Flood
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U.S. 20 impassable

#### **Stephenson County**

Cedarville	16	1540CST 1640CST			0	0		Heavy Rain
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In past hour; culverts full



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<b><u>ILLINOIS, Northwest</u></b>							
<b>Jo Daviess County</b>							
Warren	16	1550CST			0 0		Heavy Rain
							Water 5 inches deep on Highway 78; U.S. 20 east of Stockton 1-2 inches of water on it.
<b>Stephenson County</b>							
.3 NW Cedarville	16	1551CST 1555CST			0 0	1K	Thunderstorm Wind (EG52)
							Trees down at intersection of Charoaise Rd and Red Oad Rd
<b>Stephenson County</b>							
2.5 W Cedarville	16	1600CST 1830CST			0 0	20K 3K	Flash Flood
							Culvert washed out on Scioto Mills Rd between Beaver and Cedarville Rds.
<b>Stephenson County</b>							
2.5 E Lena	16	1600CST			0 0		Heavy Rain
							Water ponding on road
<b>Stephenson County</b>							
Cedarville	16	1628CST			0 0		Heavy Rain
							Water ponding in low lying areas
<b>Stephenson County</b>							
2.5 E Lena to 2.9 E Lena	16	1805CST			0 0		Heavy Rain
							Water ponding on Unity Rd and intersection of Range and Rink Rds
<b>Stephenson County</b>							
4.2 SW Lena	16	1805CST			0 0		Heavy Rain
							Water ponding on Sunnyside Rd
<b>Stephenson County</b>							
2.9 NE Lena	16	1820CST 2100CST			0 0	10K 3K	Flash Flood
							Waddams Creek out of banks; Jct of Unity and Louisa Rds closed due to high water
<b>Stephenson County</b>							
4.2 SW Lena	16	1820CST 2100CST			0 0	10K 3K	Flash Flood
							Yellow Creek out of banks; Sunnyside Rd closed due to high water.
<b>Jo Daviess County</b>							
Galena	16	1828CST 1958CST			0 0		Heavy Rain
							In 90 minutes; nuisance flooded occurring at 1906 CST
<b>Jo Daviess County</b>							
Galena	16 17	1910CST 0000CST			0 0	10K 3K	Flash Flood
							Numerous roads under water with depths ranging from 6 inches to 3 feet; Known roads closed include Field Street, Stagecoach Trail Rd, and intersection of Spring and U.S. 20
<b>Stephenson County</b>							
3.6 ESE Lena	16 17	1930CST 0300CST			0 0	10K 3K	Flash Flood
							Wagner Rd closed due to high water.
							Scattered thunderstorms developed ahead of a cold front moving east through Iowa. By the evening, a surface low had developed along the cold front as it moved into Eastern Iowa. This enhanced the overall lift in a near tropical atmosphere and produced copious amounts of rain in a very short time period. This resulted in flash flooding across parts of Northeast Iowa and Northwest Illinois due to the hilly terrain.



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### IOWA, East Central and Southeast

**IAZ053-063>068-076>078- Jones - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Lee**

<b>01</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>30</b>	<b>0915CST</b>			

River flooding that began in May 2004 continued into June 2004. Following is an edited write up from the Service Hydrologist:

Major to near record flooding was reporting during the month, with many locations setting daily maximum flow records at least one time during the month.

The month began with rather light precipitation. Even though the precipitation was light, some stream levels were still high due to the high rainfall amounts in May. June began with many locations at or near crest, or experiencing falling stream levels from crests in May. The middle of the month brought additional moderate rainfall, with amounts generally of 1 to 2 inches. This rainfall led to additional rises on some rivers. For those rivers that were still above flood stage, the additional rain either slowed the fall or resulted in secondary crests.

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**IAZ051>052**

**Benton - Linn**

<b>03</b>	<b>0750CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
	<b>1530CST</b>			

See write up under 06/01/04.

**Linn County**

**Marion**

<b>10</b>	<b>1525CST</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
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Nuisance flooding in Marion and Highway 30

**Jones County**

**1.4 NW Morley**

<b>10</b>	<b>1549CST</b>	<b>0</b>	<b>0</b>	<b>8K</b>	<b>2K</b>	<b>Thunderstorm Wind (EG52)</b>
	<b>1553CST</b>					

A downburst leveled an outbuilding and damaged two grain bins.



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### IOWA, East Central and Southeast

#### Scott County

<b>Bettendorf</b>	<b>10</b>	<b>1800CST 1805CST</b>			<b>0</b>	<b>0</b>	<b>8K</b>		<b>Thunderstorm Wind (EG52)</b>
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Near Bettendorf High School. A downburst took some shingles off a house, downed several ornamental trees, and knocked a fence over.

Scattered thunderstorms developed south of a stationary front across the northern parts of Iowa and Illinois in a strong low level jet. Due to favorable wind shear and smaller mesoscale boundaries, numerous funnel clouds developed in Illinois with two tornadoes touching down near Neponset, Illinois.

#### IAZ063>064

#### Iowa - Johnson

<b>11</b>		<b>0150CST 1215CST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
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See write up under 06/01/04.

#### Jefferson County

<b>Fairfield</b>	<b>14</b>	<b>0500CST 0503CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Hail(0.88)</b>
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#### Jefferson County

<b>Fairfield</b>	<b>14</b>	<b>0500CST 0520CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Rain</b>
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Water on roads

#### Jefferson County

<b>4 NE Fairfield</b>	<b>14</b>	<b>0500CST 0511CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>3K</b>	<b>Thunderstorm Wind (EG52)</b>
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Numerous tree limbs down

#### Jefferson County

<b>Fairfield Muni Arpt</b>	<b>14</b>	<b>0500CST 0511CST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>4K</b>	<b>Thunderstorm Wind (MG60)</b>
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KFFL AWOS

#### Jefferson County

<b>Fairfield</b>	<b>14</b>	<b>0501CST 0512CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>3K</b>	<b>Thunderstorm Wind (EG52)</b>
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Numerous limbs down with power out.

#### Scott County

<b>Davenport</b>	<b>14</b>	<b>0543CST 0548CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind (EG50)</b>
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Numerous tree limbs down with several cars damaged. KDVN 88D indicated around 50 knots just above the surface prior to the downburst occurring.

Scattered thunderstorms developed ahead of a cold front in a strong low level jet. In Southeast Iowa the storms organized into a small line and produced damage around the Fairfield, Iowa area. However after this initial incident, all winds across the remainder of Southeast Iowa were well below severe limits. The storms also were prolific lightning producers and one strike downed a tree in Moline, Illinois.

#### IAZ042-054-067

#### Dubuque - Jackson - Muscatine

<b>14</b>		<b>1720CST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
<b>27</b>		<b>1845CST</b>							

See write up under 06/01/04.





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### IOWA, East Central and Southeast

#### Jones County

##### Wyoming

16	1900CST	0	0	50K	8K	Flash Flood
17	0300CST					

Bear creek flooded out X75 on the south edge of town; numerous basements flooded in Wyoming

Scattered thunderstorms developed ahead of a cold front moving east through Iowa. By the evening, a surface low had developed along the cold front as it moved into Eastern Iowa. This enhanced the overall lift in a near tropical atmosphere and produced copious amounts of rain in a very short time period. This resulted in flash flooding across parts of Northeast Iowa and Northwest Illinois due to the hilly terrain.

#### Jones County

##### 1.9 WSW Olin to Olin

21	0800CST 1300CST	0	0	12K	4K	Flash Flood
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Localized heavy rain of 3 plus inches fell in the headwaters of Pioneer Creek southwest of Olin, Iowa with Mechanicsville, Iowa reporting 2.82 inches between 0600 and 0745 LST. This combined with moderate rainfall over the Walnut Creek headwaters and wet antecedent conditions resulted in localized flash flooding on Walnut Creek downstream of where Pioneer Creek runs into Walnut Creek. Two county gravel roads were unindated with high water; 35th street between 160th and 145th Avenues had over a foot of water over it while 42nd Street had 8 to 10 inches of water over it between 160th Avenue and the Olin, Iowa city limits.

### MISSOURI, Northeast

#### MOZ010

##### Clark

01	0000CST	0	0			Flood
30	0330CST					

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MISSOURI, Northeast